## 31896-012000 UTILITY Attorney Docket No. Natalie C. Twine et al. PATENT APPLICATION First Inventor Methods For Diagnosing RCC And Other TRANSMITTAL Solid Tumors (Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. Mail Stop Patent Application APPLICATION ELEMENTS Commissioner for Patents See MPEP chapter 600 concerning utility patent application contents. ADDRESS TO: P.O. Box 1450 Alexandria, VA 22313-1450 1. E Fee Transmittal Form (e.g., PTO/SB/17) 7. E CD-ROM or CD-R in duplicate, large table or (Submit an original and a duplice Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) 3. E Specification [Total Pages 344 including pp 135 of a. E Computer Readable Form (CRF) attachment A] b. Specification Sequence Listing on: i. E CD-ROM or CD-R (2 copies; or Descriptive title of the invention ii. D paper Cross Reference to Related Applications (if applicable) c. E Statements verifying identity of above copies Statement Regarding Fed sponsored R & D (if applicable) Reference to sequence listing, a table, ACCOMPANYING APPLICATION PARTS or a computer program listing appendix (if applicable) Background of the Invention Assignment Papers (cover sheet & document(s)) Brief Summary of the Invention 10. 37 CFR 3.73(b) Statement Brief Description of the Drawings (if filed) (when there is an assignee) Attorney **Detailed Description** 11. English Translation Document (if applicable) Claim(s) 12. Information Disclosure Abstract of the Disclosure ☐ Copies of IDS Statement (IDS)/PTO-1449 4. E Drawing(s) (35 U.S.C. 113) [ Total Sheets 8 including 3 copies Citations 13. Preliminary Amendment of Fig. 4 in color ] 14. Return Receipt Postcard (MPEP 503) 5. Oath or Declaration [ Total Pages 15 ] (3 declarations) a. E Newly executed (original or copy) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) b. Unsigned c. Copy from a prior application (37 CFR 1.63(d)) (if foreign priority is claimed) (for continuation/divisional with Box 18 completed) 16. Nonpublication request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form i. DELETION OF INVENTOR(S) PTO/SB/35 or its equivalent. Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 17. 🗵 Other: 1.63(d)(2) and 1.33(b) (1) Change Of Correspondence Address 6. Application Data Sheet. See 37 CFR 1.76 (2) Petition To Incorporate Color Drawings 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation ☐ Divisional Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner Group / Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The iscorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label ☐ Correspondence address below Name Address City State Zip Code Country Telephone Name (Print/Type) Raymond Van Dyke Registration No. (Attorney/Agent) 34,746 Signature

The PTO did not recoive the following listed tennico And have 5 Danwing

November 21, 2003

## **APPENDIX**

Two CD-R discs, labeled "Copy 1" and "Copy 2," are being submitted herewith. The two CD-R discs are identical. Each disc is in IBM-PC format and MS Window compatible. Each disc includes a sequence listing file entitled "AM101080L Sequence Listing.ST.25.txt" (2,206 KB, created on November 20, 2003).

## FEE TRANSMITTAL FOR FY 2003 Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)1,192.0

(\$)1,192.00

| Complete if Known    |                                |  |  |  |  |  |
|----------------------|--------------------------------|--|--|--|--|--|
| Application Number   | lication Number To be assigned |  |  |  |  |  |
| Filing Date          | November 21, 2003              |  |  |  |  |  |
| First Named Inventor | Natalie C. Twine et al.        |  |  |  |  |  |
| Examiner Name        | To be assigned                 |  |  |  |  |  |
| Art Unit             | To be assigned                 |  |  |  |  |  |
| Attorney Docket No.  | 31896-012000                   |  |  |  |  |  |

| METHOD OF PAYMENT (check all that apply)   |  | FEE CALCULATION (continued)  |              |             |   |  |                      |             |  |
|--|--|--|--------------|-------------|---|--|----------------------|-------------|--|
| Check C Credit Card Money Other None   |  | 3. ADDITIONAL FEES   |              |             |   |  |                      |             |  |
| Deposit Account:   |  | Large Entity Small Entity Fee Fee Fee Fee  |              |             |   |  |                      |             |  |
| Account 19-2380 (31896-011000)   |  | Fee<br>(\$)  | Fee<br>Code  | Fee<br>(\$) | Fee Description   |  |                      |             |  |
| Number   |  | 130  | 2051         | 65          | Surcharge - late filing fee or oath   |  |                      |             |  |
|  | 1052   | 50   | 2052         | 25          | Surcharge - I   | late provisional                                 | filing fee or cover  |             |  |
| Deposit  | 1053   | 130  | 1053         | 130         |   | specification                                    |                      |             |  |
| Account Nixon Peabody LLP  |  | 2,520  | 1812         | 2,520       | For filing a request for ex parte reexamination                               |  |                      |             |  |
| Name   |  | 920*   | 1804         | 920*        | Requesting publication of SIR prior to Examiner                               |  |                      |             |  |
| The Commissioner is authorized to: (check all that apply)  |  | -  |              |             | action  |  |                      |             |  |
| Charge fee(s) indicated below Credit any overpayments  |  | 1,840*   | 1805         | 1,840*      | Requesting publication of SIR after Examiner action                           |  |                      |             |  |
| Charge any additional fee(s)   |  | 110  | 2251         | 55          | Extension for reply within first month  |  |                      | <del></del> |  |
| Charge fee(s) indicated below, except for the filing fee   |  | 420  | 2252         | 210         | Extension for reply within second month                                       |  |                      | $\vdash$    |  |
| to the above-identified deposit account.   |  | 950  | 2253         | 475         | Extension for reply within third month  |  |                      | $\vdash$    |  |
| FEE CALCULATION  |  | 1,480  | 2254         | 740         | Extension for reply within fourth month                                       |  |                      |             |  |
| 1. BASIC FILING FEE  | 1255   | 2,010  | 2255         | 1,005       | Extension for reply within fifth month  |  |                      |             |  |
| Large Entity Small Entity  | 1401   | 330  | 2401         | 165         | Notice of Appeal  |  |                      |             |  |
| Fee Fee Fee Fee Description  Code (S) Code (S) Fee Paid  | 1402   | 330  | 2402         | 165         | Filing a brief  | in support of a                                  | in appeal            |             |  |
| Code (S) Code (S) Fee Paid   | 1403   | 290  | 2403         | 145         | _   |  | ••                   |             |  |
| 1001 770 2001 385 Utility filing fee 770.00  | 1451   | 1,510  | 1451         | 1,510       | Request for oral hearing Petition to institute a public use proceeding        |  |                      |             |  |
| 1002 340 2002 170 Design filing fee  | 1452   | 110  | 2452         | 55          | Petition to revive - unavoidable  |  |                      |             |  |
|  | 1453   | 1,330  | 2453         | 665         | Petition to revive - unintentional  |  |                      |             |  |
| •  | 1501   | 1,330  | 2501         | 665         | Utility issue see (or reissue)  |  |                      |             |  |
| 1004 770 2004 385 Reissue filing fee   | 1502   | 480  | 2502         | 240         | Design issue fee  |  | <del></del>          |             |  |
| 1005 160 2005 80 Provisional filing fee  | 1503   | 640  | 2503         | 320         | Plant issue fe  |  |                      |             |  |
| SUBTOTAL (1) (S)770 00   | 1460   | 130  | 1460         | 130         |   | he Commission                                    | er                   | 130.00      |  |
| (5)770.00  |  |  |              |             |   |  |                      | 130.00      |  |
| 2 PVTDA CI AIM EEEC DOD LITH ITV AND DESCRIP   |  | 50<br>180  | 1807<br>1806 | 50<br>180   | Processing fee under 37 CFR 1.17(q) Submission of Information Disclosure Stmt |  |                      | <b></b>     |  |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Fee from   |  | 40   | 8021         | 40          | Recording each patent assignment per property                                 |  |                      | 120.00      |  |
| Extra Claims below Fee Paid  |  |  |              |             | (times numbe  | er of properties                                 | )                    | 120.00      |  |
| Total Claims 20 -20** = 0 X = 0  | 1809   | 770  | 2809         | 385         | Filing a submission after final rejection (37 CFR 1.129(a))                   |  |                      |             |  |
| Independent 5 -3*** 2 X 86 = 172.00 Claims   | 1810   | 770  | 2810         | 385         | For each additional invention to be examined (37 CFR 1.129(b))                |  |                      |             |  |
| Multiple Dependent X = 0   | 1801   | 770  | 2801         | 385         | Request for C   | Continued Exam                                   | nination (RCE)       | ·           |  |
| Large Entity Small Entity Fee Fee Fee Fee Fee Description  | 1802   | 900  | 1802         | 900         |   | expedited exam                                   | ination of a design  |             |  |
| Fee Fee Fee Fee <u>Fee Description</u> Code (5) Code (5)   | 1  |  |              |             | application   | HC4.DOR  |                      |             |  |
| 1202 18 2202 9 Claims in excess of 20  | Other fee (specify)  |  |              |             |   |  |                      |             |  |
| 1201 86 2201 43 Independent claims in excess of 3  |  |  |              |             |   |  |                      |             |  |
| 1203 290 2203 145 Multiple dependent claim, if not paid  | *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (5)250.00   |  |              |             |   |  |                      |             |  |
| 1204 86 2204 43 ** Reissue independent claims over   | l  |  | CERT         | IFICATE O   | F MAILING   | OR TRANSMI                                       | SSION [37 CFR 1.8/a) | al .        |  |
| original patent 1205 18 2205 9 ** Reissue claims in excess of 20 and   | CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]  1 hereby certify that this correspondence is being: Hand filed |  |              |             |   |  |                      |             |  |
| over original patent   | deposited with the United States Postal Service on the date shown below with sufficient                                |  |              |             |   |  |                      |             |  |
| SUBTOTAL (2) (\$)172.00 postage as first class mail in an envelope addressed to: Mail Stop Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 |  |  |              |             |   |  |                      |             |  |
| **or number previously paid, if greater, For Reissues, see above   |  | transmitted by facsimile on the date shown below to the United States Patent and |              |             |   |  |                      |             |  |
|  |  | Trademark Office at (703)  |              |             |   |  |                      |             |  |
| Nov. 21, 2003  |  |  |              |             |   |  |                      | <u>/</u>    |  |
| Date Signature Dyke  |  |  |              |             |   |  |                      | Ke          |  |
| Typed or printed name  |  |  |              |             |   |  |                      |             |  |
| SUBMITTED BY Complete (if applicable)  |  |  |              |             |   |  |                      |             |  |
| Name (Print/Time) Raymond Van Dyke Registration No. 34,746 (202) 585-8000  |  |  |              |             |   | <del>,                                    </del> |                      |             |  |
| Signature  | (Attorn  | (Attorney/Agent) Telephone   |              |             |   | `  |                      |             |  |
| Vay Von dy   |  |  |              |             |   | Date   | November 21,         | 2003        |  |